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(54) Optical recording information medium

(57) An optical recording medium comprising a recording and a metal reflective layers on a transparent substrate having a groove, wherein the recording layer comprises an azaporphyrin metal complex dye with 1 to 4 meso-nitrogen atoms as a main component; recording and/or reproduction can be conducted using laser beams with wavelengths of λ_1 and λ_2 which is shorter

than λ_1 ; a refractive index n of the recording layer is 2.0 or more at λ_1 and 1.8 or more at λ_2 as well as an attenuation coefficient k of the layer is 0.04 to 0.20 at λ_1 and 0.30 or less at λ_2 ; and the groove has a pitch of 0.70 to 0.85 μm , a half-value width of 0.20 to 0.35 μm and an inclination angle of 45 to 65 °:



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EUROPEAN SEARCH REPORT

Application Number
EP 01 12 1758

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the Invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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